

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/095,385

DATE: 06/17/98  
TIME: 10:43:30

INPUT SET: S26782.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

#2

SEQUENCE LISTING

ENTERED

1  
2  
3 (1) General Information  
4  
5 (i) APPLICANT: Morrison, Sherie L.  
6 Chintalacharuvu, Kote R.  
7  
8 (ii) TITLE OF THE INVENTION: SECRETORY IMMUNOGLOBULIN PRODUCED  
9 BY SINGLE CELLS AND METHODS FOR MAKING AND USING  
10 SAME  
11  
12 (iii) NUMBER OF SEQUENCES: 4  
13  
14 (iv) CORRESPONDENCE ADDRESS:  
15 (A) ADDRESSEE: Merchant, Gould, Smith, Edell, Welter & Schmidt  
16 (B) STREET: 11150 Santa Monica Boulevard, Suite 400  
17 (C) CITY: Los Angeles  
18 (D) STATE: CA  
19 (E) COUNTRY: USA  
20 (F) ZIP: 90025  
21  
22 (v) COMPUTER READABLE FORM:  
23 (A) MEDIUM TYPE: Diskette  
24 (B) COMPUTER: IBM Compatible  
25 (C) OPERATING SYSTEM: DOS  
26 (D) SOFTWARE: FastSEQ for Windows Version 2.0  
27  
28 (vi) CURRENT APPLICATION DATA:  
29 (A) APPLICATION NUMBER:  
30 (B) FILING DATE: 09-JUN-1998  
31 (C) CLASSIFICATION:  
32  
33 (vii) PRIOR APPLICATION DATA:  
34 (A) APPLICATION NUMBER: 60/050,969  
35 (B) FILING DATE: 19-JUN-1997  
36  
37  
38 (viii) ATTORNEY/AGENT INFORMATION:  
39 (A) NAME: Canady, Karen S  
40 (B) REGISTRATION NUMBER: 39,927  
41 (C) REFERENCE/DOCKET NUMBER: 30435.45USU1  
42  
43  
44 (ix) TELECOMMUNICATION INFORMATION:  
45 (A) TELEPHONE: 310 445-1140  
46 (B) TELEFAX: 310 445-9031

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/095,385DATE: 06/17/98  
TIME: 10:43:31

INPUT SET: S26782.raw

47 (C) TELEX:

48

49

50 (2) INFORMATION FOR SEQ ID NO:1:

51

52 (i) SEQUENCE CHARACTERISTICS:

53 (A) LENGTH: 30 base pairs

54 (B) TYPE: nucleic acid

55 (C) STRANDEDNESS: double

56 (D) TOPOLOGY: linear

57

58 (ii) MOLECULE TYPE: cDNA to mRNA

59

60 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

61

62 GGGCAGAACG GTGACCATCA ACTGCCCTTT

30

63

64 (2) INFORMATION FOR SEQ ID NO:2:

65

66 (i) SEQUENCE CHARACTERISTICS:

67 (A) LENGTH: 42 base pairs

68 (B) TYPE: nucleic acid

69 (C) STRANDEDNESS: double

70 (D) TOPOLOGY: linear

71

72 (ii) MOLECULE TYPE: cDNA to mRNA

73

74 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

75

76 AAGGAATTCC TACTCTGCAA AAAGCCTGGG GTCCTGAATG GC

42

77

78 (2) INFORMATION FOR SEQ ID NO:3:

79

80 (i) SEQUENCE CHARACTERISTICS:

81 (A) LENGTH: 1839 base pairs

82 (B) TYPE: nucleic acid

83 (C) STRANDEDNESS: double

84 (D) TOPOLOGY: linear

85

86 (ii) MOLECULE TYPE: cDNA to mRNA

87

88 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

89

90 ATGCTGCTCT TCGTGCTCAC CTGCCTGCTG GCGGTCTTCC CAGCCATCTC CACGAAGAGT 60

91 CCCATATTTG GTCCCGAGGA GGTGAATAGT GTGGAAGGTA ACTCAGTGTC CATCACGTGC 120

92 TACTACCCAC CCACCTCTGT CAACCGGCAC ACCCGGAAGT ACTGGTGCCG GCAGGGAGCT 180

93 AGAGGTGGCT GCATAACCCT CATCTCCTCG GAGGGCTACG TCTCCAGCAA ATATGCAGGC 240

94 AGGGCTAACC TCACCAACTT CCCGGAGAAC GGCACATTTG TGGTGAACAT TGCCAGCTG 300

95 AGCCAGGATG ACTCCGGGCG CTACAAGTGT GGCCTGGGCA TCAATAGCCG AGGCCTGTCC 360

96 TTTGATGTCA GCCTGGAGGT CAGCCAGGGT CCTGGGCTCC TAAATGACAC TAAAGTCTAC 420

97 ACAGTGGACC TGGGCAGAAC GGTGACCATC AACTGCCCTT TCAAGACTGA GAATGCTCAA 480

98 AAGAGGAAGT CCTTGTACAA GCAGATAGGC CTGTACCCTG TGCTGGTCAT CGACTCCAGT 540

99 GGTATGTGA ATCCCAACTA TACAGGAAGA ATACGCCTTG ATATTCAGGG TACTGGCCAG 600

# RAW SEQUENCE LISTING PATENT APPLICATION US/09/095,385

DATE: 06/17/98  
TIME: 10:43:33

INPUT SET: S26782.raw

```

100 T T A C T G T T C A G C G T T G T C A T C A A C C A A C T C A G G C T C A G C G A T G C T G G G C A G T A T C T C T G C 660
101 C A G G C T G G G G A T G A T T C C A A T A G T A A T A A G A A G A A T G C T G A C C T C C A A G T G C T A A A G C C C 720
102 G A G C C C G A G C T G G T T T A T G A A G A C C T G A G G G G C T C A G T G A C C T T C C A C T G T G C C C T G G G C 780
103 C C T G A G G T G G C A A A C G T G G C C A A A T T T C T G T G C C G A C A G A G C A G T G G G G A A A A C T G T G A C 840
104 G T G G T C G T C A A C A C C C T G G G G A A G A G A G G G C C C A G C C T T T G A G G G C A G G A T C C T G C T C A A C 900
105 C C C C A G G A C A A G G A T G G C T C A T T C A G T G T G T G A T C A C A G G C C T G A G G A A G G A G G A T G C A 960
106 G G G C G C T A C C T G T G T G G A G C C A T T C G G A T G G T C A G C T G C A G G A A G G C T C G C C T A T C C A G 1020
107 G C C T G G C A A C T C T T C G T C A A T G A G G A G T C C A C G A T T C C C C G C A G C C C C A C T G T G G T G A A G 1080
108 G G G G T G G C A G G A A G C T C T G T G G C C G T G C T C T G C C C C T A C A C C G T A A G G A A A G C A A A A A G C 1140
109 A T C A A G T A C T G G T G T C T C T G G A A G G G G C C C A G A A T G G C C G C T G C C C C C T G C T G G T G G A C 1200
110 A G C G A G G G G T G G G T T A A G G C C C A G T A C G A G G G C G C C G C C C T C C C T G C T G G A G G A G C C A G G C 1260
111 A A C G G C A C C T T C A C T G T C A T C C T C A A C C A G C T C A C C A G C C G G G A C G C C G G C T T C T A C T G G 1320
112 T G T C T G A C C A A C G G C G A T A C T C T C T G G A G G A C C A C C G T G G A G A T C A A G A T T A T C G A A G G A 1380
113 G A A C C A A A C C T C A A G G T A C C A G G G A A T G T C A C G G C T G T G C T G G G A G A G A C T C T C A A G G T C 1440
114 C C C T G T C A C T T T C C A T G C A A A T T C T C C T C G T A C G A G A A A T A C T G G T G C A A G T G G A A T A A C 1500
115 A C G G G C T G C C A G G C C C T G C C C A G C C A A G A C G A A G G C C C C A G C A A G G C C T T C G T G A A C T G T 1560
116 G A C G A G A A C A G C C G G C T T G T C T C C C T G A C C C T G A A C C T G G T G A C C A G G G C T G A T G A G G G C 1620
117 T G G T A C T G G T G T G G A G T G A A G C A G G G C C A C T T C T A T G G A G A G A C T G C A G C C G T C T A T G T G 1680
118 G C A G T T G A A G A G A G G A A G G C A G C G G G G T C C C G C A T G T C A G C C T A G C G A A G G C A G A C G C T 1740
119 G C T C C T G A T G A G A A G G T G C T A G A C T C T G G T T T T C G G G A G A T T G A G A A C A A A G C C A T T C A G 1800
120 G A T C C C A G G C T T T T T G C A G A G T A G G A A T T C C T G C A G C C C 1839

```

## (2) INFORMATION FOR SEQ ID NO:4:

### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 608 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: unknown
- (D) TOPOLOGY: linear

### (ii) MOLECULE TYPE: protein

### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

```

134 Met Leu Leu Phe Val Leu Thr Cys Leu Leu Ala Val Phe Pro Ala Ile
135 1 5 10 15
136 Ser Thr Lys Ser Pro Ile Phe Gly Pro Glu Glu Val Asn Ser Val Glu
137 20 25 30
138 Gly Asn Ser Val Ser Ile Thr Cys Tyr Tyr Pro Pro Thr Ser Val Asn
139 35 40 45
140 Arg His Thr Arg Lys Tyr Trp Cys Arg Gln Gly Ala Arg Gly Gly Cys
141 50 55 60
142 Ile Thr Leu Ile Ser Ser Glu Gly Tyr Val Ser Ser Lys Tyr Ala Gly
143 65 70 75 80
144 Arg Ala Asn Leu Thr Asn Phe Pro Glu Asn Gly Thr Phe Val Val Asn
145 85 90 95
146 Ile Ala Gln Leu Ser Gln Asp Asp Ser Gly Arg Tyr Lys Cys Gly Leu
147 100 105 110
148 Gly Ile Asn Ser Arg Gly Leu Ser Phe Asp Val Ser Leu Glu Val Ser
149 115 120 125
150 Gln Gly Pro Gly Leu Leu Asn Asp Thr Lys Val Tyr Thr Val Asp Leu
151 130 135 140
152 Gly Arg Thr Val Thr Ile Asn Cys Pro Phe Lys Thr Glu Asn Ala Gln

```

# RAW SEQUENCE LISTING PATENT APPLICATION US/09/095,385

DATE: 06/17/98  
TIME: 10:43:34

INPUT SET: S26782.raw

153	145	150	155	160
154	Lys Arg Lys Ser Leu Tyr Lys Gln Ile Gly Leu Tyr Pro Val Leu Val			
155		165	170	175
156	Ile Asp Ser Ser Gly Tyr Val Asn Pro Asn Tyr Thr Gly Arg Ile Arg			
157		180	185	190
158	Leu Asp Ile Gln Gly Thr Gly Gln Leu Leu Phe Ser Val Val Ile Asn			
159		195	200	205
160	Gln Leu Arg Leu Ser Asp Ala Gly Gln Tyr Leu Cys Gln Ala Gly Asp			
161		210	215	220
162	Asp Ser Asn Ser Asn Lys Lys Asn Ala Asp Leu Gln Val Leu Lys Pro			
163		225	230	235
164	Glu Pro Glu Leu Val Tyr Glu Asp Leu Arg Gly Ser Val Thr Phe His			
165		245	250	255
166	Cys Ala Leu Gly Pro Glu Val Ala Asn Val Ala Lys Phe Leu Cys Arg			
167		260	265	270
168	Gln Ser Ser Gly Glu Asn Cys Asp Val Val Val Asn Thr Leu Gly Lys			
169		275	280	285
170	Arg Ala Pro Ala Phe Glu Gly Arg Ile Leu Leu Asn Pro Gln Asp Lys			
171		290	295	300
172	Asp Gly Ser Phe Ser Val Ile Thr Gly Leu Arg Lys Glu Asp Ala			
173		305	310	315
174	Gly Arg Tyr Leu Cys Gly Ala His Ser Asp Gly Gln Leu Gln Glu Gly			
175		325	330	335
176	Ser Pro Ile Gln Ala Trp Gln Leu Phe Val Asn Glu Glu Ser Thr Ile			
177		340	345	350
178	Pro Arg Ser Pro Thr Val Val Lys Gly Val Ala Gly Ser Ser Val Ala			
179		355	360	365
180	Val Leu Cys Pro Tyr Asn Arg Lys Glu Ser Lys Ser Ile Lys Tyr Trp			
181		370	375	380
182	Cys Leu Trp Glu Gly Ala Gln Asn Gly Arg Cys Pro Leu Leu Val Asp			
183		385	390	395
184	Ser Glu Gly Trp Val Lys Ala Gln Tyr Glu Gly Arg Leu Ser Leu Leu			
185		405	410	415
186	Glu Glu Pro Gly Asn Gly Thr Phe Thr Val Ile Leu Asn Gln Leu Thr			
187		420	425	430
188	Ser Arg Asp Ala Gly Phe Tyr Trp Cys Leu Thr Asn Gly Asp Thr Leu			
189		435	440	445
190	Trp Arg Thr Thr Val Glu Ile Lys Ile Ile Glu Gly Glu Pro Asn Leu			
191		450	455	460
192	Lys Val Pro Gly Asn Val Thr Ala Val Leu Gly Glu Thr Leu Lys Val			
193		465	470	475
194	Pro Cys His Phe Pro Cys Lys Phe Ser Ser Tyr Glu Lys Tyr Trp Cys			
195		485	490	495
196	Lys Trp Asn Asn Thr Gly Cys Gln Ala Leu Pro Ser Gln Asp Glu Gly			
197		500	505	510
198	Pro Ser Lys Ala Phe Val Asn Cys Asp Glu Asn Ser Arg Leu Val Ser			
199		515	520	525
200	Leu Thr Leu Asn Leu Val Thr Arg Ala Asp Glu Gly Trp Tyr Trp Cys			
201		530	535	540
202	Gly Val Lys Gln Gly His Phe Tyr Gly Glu Thr Ala Ala Val Tyr Val			
203		545	550	555
204	Ala Val Glu Glu Arg Lys Ala Ala Gly Ser Arg Asp Val Ser Leu Ala			
205		565	570	575

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/095,385DATE: 06/17/98  
TIME: 10:43:35

INPUT SET: S26782.raw

206	Lys	Ala	Asp	Ala	Ala	Pro	Asp	Glu	Lys	Val	Leu	Asp	Ser	Gly	Phe	Arg
207				580					585						590	
208	Glu	Ile	Glu	Asn	Lys	Ala	Ile	Gln	Asp	Pro	Arg	Leu	Phe	Ala	Glu	Glx
209				595				600						605		

PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/09/095,385**

DATE: 06/17/98  
TIME: 10:43:35

*INPUT SET: S26782.raw*

Line

Error

Original Text